

6-10950

## 'The Time Has Come!'

## Taxpayer Deadline Draws Nigh As IRS Gives Pointers In Filing

That time of the year has arrived for all Y-12ers. Monday, April 16, the bell tolls for thee. Every citizen or resident of the United States, including minor children, who had gross incomes of \$600 or more during 1961, must file a Federal income tax return, according to J. M. Rountree, director of Internal Revenue for the Nashville District.

Use your 1960 Federal Income Tax return as a guide in preparing your 1961 return, according to Director Rountree.

Tax returns must be filed by midnight (post-marked) next Monday. Tax payers are given a day's grace because the 15th falls on Sunday this year.

Tax payers whose income during the year was under \$10,000, consisting of wages reported on W-2 withholding statements and not more than a total of \$200 of other wages, interest and dividends, may ordinarily use the punch-card income tax Form 1040A. Those who itemize deductions and those with income of \$10,000 or over must use the regular Form 1040.

### Other Income Taxable

Various types of income besides salaries and wages must be included in the preparation of the income tax returns. Union Carbide Corporation's contributions in the General Savings Fund, (dividends were paid last year), are taxable. That figure circled on the stub which was issued with the payment is taxable, and should be reported as income. Failure to report any part of taxable income may result in interest and penalties, the IRS advises.

Social security numbers must be listed on tax forms. Both husband and wife should list their numbers on a joint return. Some returns are filed in which one or both social security numbers are omitted, the IRS states. Along with checking other entries on the return, taxpayers should double check to make sure that social security numbers are complete and accurate.

### Returns Need Signatures

Returns must be signed by those filing. Many returns are received where the taxpayer has failed to sign in the space provided. Joint returns must be

signed by both the husband and wife filing.

The IRS also advises that taxpayers never send cash through the mails. It may be lost or misdelivered in route and the taxpayer would have to pay again. A money order or check is advised. To make doubly sure that the check or money order is properly delivered the check should be made payable to the "Internal Revenue Service." Mail it to the local district director, in this case Nashville, Tennessee. Many of the forms mailed to former filers include a self-addressed envelop.

### Under-Withholding?

Are your additional payments each year too much? Is it because of under-withholding? Additional taxes may be withheld by Carbide in cases of this kind.

There are various ways to do this. If a taxpayer finds himself owing an additional \$100 or more of tax at year's end, he may reduce the number of exemptions or dependents claimed, by one or more, for withholding purposes.

This automatically increases the withholding tax payments, over the year, by \$120 or more without affecting the employee's right to claim exemptions or dependents on his income tax return.

### Timekeeping Has Forms

The Timekeeping Office will be happy to furnish employees with the necessary forms to alter withholding sums.

The IRS office warns, also that a penalty is added for the late filing of a return. The penalty amounts to five per cent for each month (or fraction of a month) that the return is late. The maximum is 25 per cent. For example if you file tax returns on June 15 and not April 16 and were not granted an extension of time for late filing, you would have to pay your tax plus a penalty of 10 per cent of the tax due. In addition interest will be assessed at the six per cent per year rate.

But Y-12ers have had a year to remember next Monday's deadline. We'll see all of you over at the Post Office around midnight next Monday!



LOADING THE IBM 1401 with paper is James Anderson, Tabulation Service. This machine can print up to 600 lines of calculated data a minute. Source data in the form of IBM cards are fed in a machine to the left of the picture. The 1401 can give the square and square roots of numbers from one to 100 in five seconds.

## Tabulation Service Uses 'Think Machines' Daily To Serve Data Processing To Most Y-12 Groups

6-10948

Someone working in Y-12 five days a week on a three-shift basis? Doesn't go home, has no security clearance, and doesn't eat (except some 220 volt electricity!) Impossible? Not at all. Down in Tabulation Service the International Business Machines 1401 data processing system works 120 hours a week without a break!

The 1401 isn't exactly a person, but for memory it's got us all skinned. It can print data at 600 lines a minute (oh, to type that fast); can give the square and square root of numbers from one to 100 in exactly five seconds; and can print "Gone With The Wind" in its entirety in less than one hour.

But just ask Tabulation Service employees . . . machines don't really think. Using memory-stored punched card programs, the 1401 data processing system simultaneously calculates, prints and summarizes.

An IBM Sorter will put the cards in order. It arranges cards in numerical or alphabetical sequence, eliminating tedious and time-consuming manual sorting. For instance, the machine could take randomly scattered cards on all Y-12ers and sort them in age sequence in less than five minutes. The machine can also arrange Y-12ers in badge order number in approximately 15 minutes.

### Serves Many Divisions

Tabulation Service provides data processing functions for the Chemical Operations, Mechanical Operations, Engineering, Maintenance, Industrial Relations, Development, and Technical Divisions in the plant. It does not per-



THE SORTING OF IBM PUNCHED cards is performed here by Betty Martin and Elizabeth Wilson, Tabulation Service Department. The machines can sort 2,000 cards a minute. It would be impossible for a person to sort that many in an hour.

form financial or accounting functions, such as payroll, cost summaries, etc., which are done at the Central Data Processing group in the Oak Ridge Gaseous Diffusion Plant.

The applications include production control, production certification, laboratory calculations, quality and statistical control, material accounting, Health Physics data, and other related administrative reports.

There is not an employee in Y-12 that doesn't go through an IBM machine sometime every month!

### Record Vital Data

Tabulating personnel are not trying to marry you off scientifically either. They record medical records data, personnel statistics, health physics reports, and many other vital statistics concerning each employee. The safe-

Continued on Page 4



"Bless You!"



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
UNION CARBIDE  
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Division of



UNION CARBIDE CORPORATION

JAMES A. YOUNG Editor

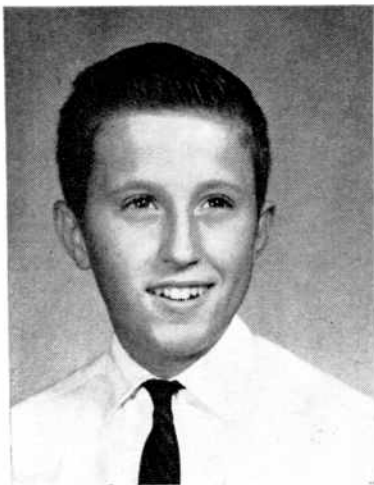
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## Eagle Scout Badge Goes To John Minchey

Active Bearden Student Is Busy At School



John Minchey Jr.

The active son of John Minchey, Process Maintenance, has just received his Eagle badge from the Boy Scouts. John Minchey Jr. is a sophomore at Bearden High School. His activities include the Key Club, the Latin Club, the Math Club, and the vice presidency of the National Honor Society.

The 15-year-old Minchey recently participated in the Honors Program at the University of Tennessee. He was one of six students selected from Bearden to participate in advanced courses. He took part in the Biology section.

Interested in all kinds of sports, the younger Minchey lives with his parents at 8101 Chesterfield Drive, Knoxville. The Mincheyes have one other child, a daughter Suzanne.



Get well wishes are speeded the following Y-12ers who were patients last week in the Oak Ridge Hospital.

H. W. Caldwell, Area Five Maintenance; F. L. Deal, Beta Four Assembly and Forming; Marsie Neal, Tool Department; Kathy Mills, Production Control; J. B. Moss, Alloy Shop; H. E. Robinson, Research Services; and Kathleen Milligan, General Machine Shop.

## Today Is Deadline For Badge Exchange

Y-12ers are reminded that today, April 11, is the last day to pick up new badges in the quarterly badge exchange. Current means of identification have a yellow border.

The old blue-bordered badges will be picked up at 11 p.m. tonight, and employees failing to exchange badges after that will have to pick up their new badges at the Badge and Pass Office, Building 9704-2.



A pretty girl in this building recently brought in a book on how to eat all you want and still lose weight. Some calorie-counting kid asked her if they could copy out the part on eating fried food.

"Oh, you can't do that. To lose weight properly you have to read the book!" she stated.

We can't promise you'll lose any weight, but you might gain some information on Y-12ers. First, take

### MAINTENANCE

Electrical 'lows that J. R. Car-riger and Al Sawyer snuck away for a week's vacation without leaving plans behind . . . C. J. Moore is on vacation. His daughter accidentally swallowed part of a toy and will have surgery this week to remove the foreign article. Speedy get well wishes are sent to the little tot . . . B. S. Denton is vacationing at home to get acquainted with his baby daughter . . . C. N. Crawley will be off next week to keep his son company. It seems the lad was the victim of the game of football and will have knee surgery. We sure hope he's back on the field in the fall . . . W. S. Arnold, R. H. Freeman, and N. L. Derryberry are still on the 'ailing' list. Hopes that they will be back soon are the sentiments of the entire department.



Jonathan Wayne Wood

Meet Jonathan Wayne Wood, son of D. J. Wood, Research Services Department. He recently won a Certificate of Excellence in Physical Science at the Knox Science Fair. His project was "Sound Through Light." Jonathan is in the eighth grade at Jefferson Junior High School.



Tom Bradford Jr.

This happy baby is the son of Mr. and Mrs. Tom Bradford, Oak Ridge. His grand-pop, Paul J. Johnson, Area Five Maintenance, thinks the 7-months-old boy is the finest thing yet. Gramps sez the little fat boy weighs 29 pounds, and eats 45 cans of baby food a week!

If it weren't for a wife, just think how bulky and ugly your wallet would be!

### TECHNICAL

Radiation Safety has C. M. "Hap" West on vacation this

week, working around home with a trip to Atlanta planned. Wonder why Hap didn't wait a couple of weeks and take in the Metropolitan Opera down there?

A miss we know recently heard a man state he wondered what ever happened to the girls that fainted when they were kissed. She wants to know what ever happened to the men who made the girls faint!

### FINANCE AND MATERIALS

In F&M Administration it's told that Jim Sykes, Ed Pluhar, Jack Fisher, Security and Tom Stephens, Engineering Services, all went over to Hickory Star fishing last week-end. No one will ever know who caught the most or the biggest. There's little doubt about who will tell the tallest tales of it, however!

Get well wishes are sent to T. A. Williams, Cashier and Travel Office, who underwent surgery last week in Fort Sanders Hospital, Knoxville. If everybody he had sent a card to retaliated . . . the hospital would have to put on extra help to handle the mail!

Some tasks have to be put off dozens of times before they completely slip from the mind.

### INDUSTRIAL RELATIONS

Benefits Plans personnel were saddened last week by the death of Art Hines' father, Ben Hines, Somerset, Ky.

The Fire and Guard Departments are welcoming back K. G. Edgemon after his "siege of sickness" . . . Get well wishes to Jean Hasting, wife of Lt. J. C. Hasting . . . Sympathy is sent to the C. C. Butler family. Mrs. Butler's father died recently . . . Some interesting fish pictures should be forthcoming soon. Dave Turner caught a string of crappie recently, so did Emmett Moore, according to rumors. Moore supposedly caught 76 (it's a good thing the state lifted the limit on crappie!) Rumors also have Moore with boat paddle troubles.

### ENGINEERING

Tool Engineering is passing out cigars again! This time it's Dick Greene who reported in April Fool's Day with a son, Gregory Scott. Greg was seven pounds, 10 ounces heavy, and measured 23 inches on his arrival . . . J. L. Howell vacationed in Ft. Lauderdale . . . Adieus were said to Doris Thomas last week who transferred to Maintenance . . . John Gibson reported for duties in Building 9201-1 . . . Numerical Control welcomes in transferee B. H. Robbins.

A millionaire recently wasn't hurt at all when his wife ran away with his chauffeur. He was going to fire the chauffeur anyway.

### MECHANICAL OPERATIONS

Rolling and Forming forms news of J. O. Parker and L. D. Thompson welcome sights back after extended illnesses . . . E. J. Delaney is still off work on the sick list and best wishes to him . . . It's told that George Ferrell is in the motion of giving Homer Parks of F Area rough times. George caught five so-so sized fish at his lake-front estate recently and sent them (on a kite-string stringer) to his boss, F. A. Harris, via Homer Parks. Trouble is Homer cancelled out George's good will . . . he also gave Harris a rather large parcel of fish, already cleaned . . . Tch! Tch! . . . It's a grandson at last. David Warren Blevins arrived at 6:03 a.m. April 4 in Oak Ridge Hospital. Naturally, according to



EARLY RETIREES receive their first Carbide retirement check from George W. Flack, superintendent of Industrial Relations. In the center is Mrs. Mollie Hatfield, who left Safety on March 30 after more than 18 years with Carbide; and at the right is Miss Maude Clemmer, formerly a nurse in the Medical Department.

Martha Blevins, it's a beautiful baby. His parents are George and Linda. All are doing well, including the grandparents. David weighed eight pounds, nine and one-half ounces and had to start posing for the cameras shortly after his birth.

The General Machine Shop has Al Johnson vacationing this week to do some 'Spring resting' and to get caught up on his fishing . . . Lou Gillis recently spent a day over at Loudon to see if the fish were biting already. He didn't get too many fish, but got a good suntan.

Beta Four Assembly and Forming has E. F. Leach vacationing with no announced plans . . . Jack B. Adkins is being welcomed into the department.

Beta Four Machine Shop has J. M. Nevils and E. M. King still on the ailing list, best wishes to them . . . I. H. Tackett is welcomed back to work after an illness . . . Mildred Morris's quips are missed in these columns. She's vacationing at home, doing the annual house cleaning.

The only part about work that most people object to is its regularity.

### SHIFT SUPERINTENDENTS AND UTILITIES



Martin Wayne Hill

This little fellow arrived early in the morning of March 14 to brighten the home of Mr. and Mrs. Ira L. Hill (the papa is in Utilities). Vital statistics showed that Martin weighed seven pounds, two and one-half ounces. He had long black hair, deep blue-grey eyes, and a tiny birthmark on his right ear. A postscript to the announcement beamed that he bore a fair likeness to his father!

Carl W. Frazier is attending a State Conservation Convention in Cleveland, Tenn. . . . Condolences are sent to J. R. De Monbrun and family in the recent death of Mrs. De Monbrun's grandmother in Louisville, Ky. . . . Vacationing are R. D. Freels, turkey hunting . . . J. A. Braden, fishing and turkey hunting, J. A. McCall, spring plowing, J. A. McLain, vacationed last week and finished

## Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10-year anniversaries with Carbide within the next few days.

### 15 YEARS

John H. Humphreys, Utilities, April 11.

Cordell H. Dixon, Stores, April 15.

### 10 YEARS

Alfred F. Herrell, Dispatching, April 11.

Travis J. Cagle, Jr., Radiation Safety, April 12.

Glendon T. Miller, Laundry, April 14.

Frances C. Siler, Janitors Department, April 14.

James W. R. Goans, Research Services, April 14.

Walter H. Stockig, General Machine Shop, April 14.

Harold Rector, Z Area Assembly, April 16.

Lewis B. Eggers, Jr., Process Maintenance, April 16.

James P. Lawless, Jr., General Mechanical Engineering, April 16.

George D. Smallwood, Mechanical Maintenance, April 16.

Oscar J. Okes, Sunflower Shop, April 16.

James H. Copeland, Dispatching, April 17.

## ASTME Sets Meet April 17 Deane Hill Country Club

The April meeting of the American Society of Tool and Manufacturing Engineers will be held at Deane Hill Country Club, Tuesday, April 17. Dinner will be served from 6:30 until 7:30 p.m. The DoAll Company will have a display and movies showing the historical development of machine tools. The display is called the "Show of Productivity."

The meeting is being sponsored by the ASTME in cooperation with the Society for the Advancement of Management and the American Society of Mechanical Engineers. Anyone interested in attending the meeting may make dinner reservations by calling Bill Thomas, extension 7022, or Keith Kahl, extension 7296.

painting his basement . . . E. E. Robertson just stayed at home.

C. A. Cox and Mrs. Cox visited their son over the week-end in Albany, Ga. C. Pitts visited his father and mother recently in Whitesburg, Ky. . . . H. L. Cox moved into his new home not too long ago.

Spring has come at last. Smit-ten by the strange fever, it's time we all took a nap!

Security must indeed become a daily concern in our lives as for as we can see ahead.



# All Y-12ers Invited To Ham Shoot Set At Oliver Springs Airport Saturday

H, J, And E, F And G Shifts Sponsor Shoot For 20, 16 And 12 Gauge Shotguns & Rifles

A congregation of shifts is sponsoring a big Ham Shoot, coming up Saturday, April 14. Firings begin at 10 a.m., and all Y-12ers are being welcomed to the event.

There will be contests in the 20, 16, and 12 gauge shotgun classes, the 22 calibre rifle, and the 22

## Riding Club Sets Saturday Horse Show

The East Tennessee Junior Riding Club will have its third annual Spring horse show beginning at 9:30 a.m. Saturday, April 14, at the East Tennessee Riding Club showgrounds on Tuskegee Avenue, Oak Ridge.

The show is open to all riders 18 years of age and under, according to General Chairman John Gregg, UCNCC Communications.

The 30 classes will feature all kinds of equitation . . . saddle (show horse), balance (hunters and jumpers) and stock (western); three and five gaited ponies and horses; barrel keyhole and polebending races; English and Western pleasure horses and ponies; western reining horses; road ponies; hunters; jumpers . . . not to mention a fancy costume class.

Last year's show drew entries from all over East Tennessee, attracted a large crowd, and netted the junior riding club funds which were used to remodel and improve the large junior club-room.

Children under 12 will be admitted to the show free.

Among the families of Carbide employees who will probably take part in the show are Daryleen and Alice Cunningham, daughters of Darrell Cunningham, Alpha Five Machine Shop; Carol Reeder, niece of and co-horse owner with Miss Minnie Duncan, ORNL employee in Y-12; and Mike Shotts, son of Ira J. Shotts, Y-12's Timekeeping Department.

## Guttersnipes Lose At Kingston

Y-12's team in the Kingston League for Carbide bowlers, the Guttersnipes, did not fare so well last week. They lost three points to the ORGDP Could B's. Thus the 'Snipes slipped a full three points in league standings. The league leading Rookies snatched three points from the Alley Cads.

The Sparemen and Head Pins split two points each. The league leaders took high team scores with 1030, boosted to a 2899 handicap total. A. J. Kessing, Rookies, rolled high individual scores with 241, 267, 591 and 669 scores. Wow!

League standings follow:

Team	W	L
Rookies	35	17
Guttersnipes (Y-12)	29	23
Alley Cads	27	25
Head Pins	26	26
Could B's	24	28
Sparemen	15	37

## First Golf Contest Saturday, April 28 At Beaver Brook

Y-12 golfers are reminded that Saturday, April 28, is the big day as the first tournament of the season is set for the Beaverbrook Greens, near Powell.

Tee-off times, from approximately 6:30 until 10:30 a.m., will be assigned by telephone next Thursday, April 19, from 8 a.m. on. If a golfer wants to enter just call Recreation, at telephone extension 7109. No one need apply

## Rollmasters Roll Past ORGDP Pirates

The Wednesday 5:45 League for Carbide Bowlers saw the Y-12 team, the Rollmasters roll past the Pirates by the count of three, thanks mainly to George Cantrell's 223 and 251 single games.

High series games were rolled by Rene Rodriguez, Sandbaggers, with 572 and 632 scores. Team highs went to the Y-12 Rollmasters with a 1063 score and a top 2995 handicap score.

The Y-12 team still rests five and one-half points from top berth in the latest league standings.

League standings follow:

Team	W	L
Planners	77½	46½
Head Pins	73	51
Rollmasters (Y-12)	72	52
Mix-Ups	70	54
Cast-Offs	63½	60½
Wallops	61½	62½
Sandbaggers	60	64
Woodpeckers	58½	65½
Lab Demons	58	66
Pirates	55	69
Wacos	50	74
Rookies	45	79

in person. At least a threesome is required to obtain a tee-off time.

Only tournament play, the full 18-holes, will be allowed during tee-off times for employees. Green fee at Beaverbrook is \$3. More details will follow in next week's Bulletin.



INDICATING WHAT MAY BE his opponent's next move in a chess game is William Fleischman, Engineering Mechanics. For two years the young engineer has had a running chess game with a University of Florida professor.

## Bill Fleischman Plays Chess By Mail With University Of Florida Professor

Y-12 Accused By 'Gator Students Of Using Computers In Ancient 'Long-Hair' Contest

It's your move, professor!

So says Bill Fleischman, Y-12's Engineering Mechanics, as he backs Professor Thomas O. Neff of the University of Florida, into the corner of the chess game. The famous "by-mail" tilt has been going on now almost two years.

With the last move the professor mailed to Oak Ridge, he enclosed a clipping from the student paper in Gainesville. The Florida Alligator headlined "Professor Duels Machine In Unique Chess Tilt!" and went on to state that the engineering professor was dueling the computer systems in Oak Ridge.

First of all, the Engineering Department has no computers. And opponent Fleischman states: "Even if a computer were being used, it would be no better than the information fed it."

### Students Play

The students at Florida have gone hog wild over the game, according to the professor. The chess board is set up in the professor's office. He posts the moves outside his office and is getting help from all over the campus.

The ancient game of chess has been enjoyed by Fleischman since he was 10 years old. One of the human race's oldest games, its origin goes back into antiquity to the sixth or seventh century in India. Actually, some people claim that King Solomon was a chess expert.

### Neff Once In Oak Ridge

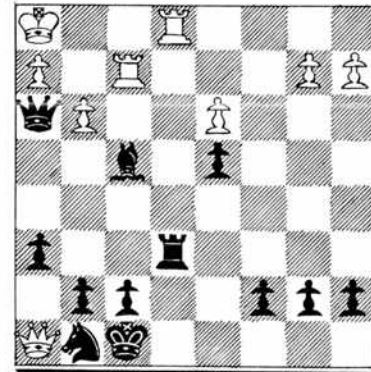
Professor Neff worked during the summer months of 1960 in Oak Ridge and the famous game was started then. "This game isn't one of those long hair games," he states, "it's more like checkers."

"Neff says that because I have him cornered," retaliates Fleischman. "Those Floridians are going to call it a checker game when they have lost it." Actually, the game is drawing nigh its close, and the professor has only one or two possible moves to make according to the accompanying diagram.

The students at Florida automatically assume that they are playing a computer and the prof at UF let them think so.

### King Loses Power

In explaining the evolution of the present day game of chess, Fleischman explains how the king has lost its power. Once the power piece on the board, the king has now been relegated to a cheap piece, while the queen has taken over prominence in value. (Sounds like an interesting parallel, doesn't it?)



THE PRESENT status of the two-year-old chess game is shown in the diagram above as William Fleischman challenges Professor Thomas Neff, University of Florida. Bill is awaiting the professor's move by mail.

The kings, queens, rooks, bishops, knights and pawns make up the playing pieces of this intellectual game. Chess notation is as useful as the alphabet, and much easier to learn. These symbols are used in Fleischman and Neff's exchanges by mail.

### Two Weeks To Move

There is a deadline set on each move. That is, when one player moves and mails his move to the opponent, the opponent has two weeks in which to make his move and respond by mail.

"We've only lost one move in the mails," Fleischman states.

"Chess experts are going to wonder why Neff backed his Queen into the corner," Fleischman went on. (Actually, we didn't wonder at all . . . we did not even know which one was a Queen). "It all came about by force," he stated, "if the prof had had any other choice he certainly would not have backed her up so."

Meanwhile, the unique game goes on.

### Starts New Games

Fleischman says now he is starting a game via the post office with a man in Brazil, and is working on a deal to start another one in Germany.

"Back at the ranch" in Y-12, if there are any experts on the board that want to take Fleischman on . . . the field is wide open. Just give him a ring!

## Volleyball Tilt Keeps Eagles In

Y-12 Team Whips 2, Loses 1 Game

The All Carbide Volleyball got its double elimination tournament underway last week. The Y-12 Eagles have advanced slightly with one loss, and two victories. One more loss, however, will put the Eagles out.

In the first game the Raiders fell by forfeit to the ORNL Old Men.

Game two saw the ORSORT team take two from Y-12 Eagles 15-11, 15-10. The best of three games eliminates the necessity of a third game.

The ORNL Set Ups took two games by forfeit from the Biology team.

The Eagles came back into fancy play by downing the Biology team 15-0, and 15-0.

### Set-Ups Lose Thrillers

Three thrilling games were turned in by A Shift and the Set-Ups, winners of the halves of league play. A Shift downed the Set-Ups 15-13, and 15-7, and the Set-Ups turned in a victory to the tune of 15-13. All three games were close right down to the ribbon.

The Set Ups took two from ORSORT 15-11, 15-7.

A Shift shifted around and won two from the ORNL Old Men 15-4, and 15-2.

### Eagles Beat Old Men

The Eagles then took the Old Men to the cleaners 15-13, 15-12.

Thus two teams fell from tournament action as the Old Men and Biology no longer have a berth in the tournament.

Games to be played include the Y-12 Eagles facing the winner of the ORSORT-Raider game. The winner of this game will play the Set-Ups, and finally the victor of that game will take on A Shift in the finals. These games were tentatively set for sometime this week.

## Y-12 Teams Clash In D League Race

Dry Hides Drop Rodders By Three

Y-12 teams in the D League for Carbide Bowlers did fair to middlin' last week. First off, the Rodders continued their slump by dropping three points to the Dry Hides, their fellow plantsmen in the league.

High team handicap series scores were shared by the winning Dry Hides with the ORNL Alley Rams. They scored 2875.

The Gassers' Stan Ashton took high individual handicap scores in series play with 625. Jim Muir, Hephex, took high handicap game in individual play with 256.

### League standings follow:

Team	W	L
Sh-Booms	29	11
Beryls	24	16
Kemix	23	17
Rodders (Y-12)	22	18
Pin Heads	22	18
ORNS	22	18
Dry Hides (Y-12)	21	19
Alley Rams	21	19
Termites	20½	19½
Gassers	17	23
Hephex	11	29
Guttersnipes	10½	29½

## Joint Seminar To Be Held By U-T Professor

A joint Physics and Chemistry Division seminar will be held at Oak Ridge National Laboratory Friday, April 13. The meeting will be held in the East Auditorium of Building 4500 at 3:15 p.m.

Holding the seminar will be R. D. Present, University of Tennessee, who will discuss "Inter-Molecular Three-Body Forces." All interested technical personnel are welcome to attend.

Be safe — at home, at work.



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## Wide Variety Of Awards Offered Employees In 29th Safe Period; Popular Items Repeated

Y-12 employees will soon have the opportunity to select their 29th safety award! The Safety Department has placed the awards at different places throughout the plant for display. They are seen in the above photograph.

The 29th period without a lost-time accident stretched from December 29, 1961 through March 7, 1962, a total of 69 days or 2,388,635 man-hours.

The awards are listed as:

**Zippo Lighter**  
**Pyrex Refrigerator and Oven Set**

**Pyrex Percolator (6 cup)**  
**Boker pocket knife**  
**Stanley Framing Square**  
**Pliers (Channel lock)**  
**Charcoal Bucket**  
**Axe and Knife Set**  
**Rifle Cleaning Kit**  
**Tin Snips (Wiss)**  
**Divided covered serving dish**  
**Minnow Bucket**  
**Stove Mat (Rubbermaid)**  
**Hose (50' — Gates)**  
**Aluminum Beverage Set (Pitcher and six glasses)**  
**Wall Can Opener**

Selection cards will be issued soon to the departments in Y-12 for further issue to the individual employee. This total of 29 periods without lost-time accidents represents a total of more than 77,000,000 man-hours worked in Y-12 without a disabling injury.

### Repeat Items

Many of the popular items are "repeats" from the previous awards listing. Every taste and avocation is represented in the widely-varied awards.

Y-12's over-all safety record is

the envy of plants throughout the country. Well below the national average, and below the chemical industry as a whole, Y-12 boasts fewer accidents and with less severity than most other industries.

This is no accident. Good safety records are accomplished only through the efforts of the individual.

### More Than Cash Awards

Two lost-time accidents already mar the plant's record for the new year. Through constant awareness on the part of every employee, those two can be held at that number. Safe working conditions mean a lot more than the cash value of awards. It means peace of mind, health and the well-being of every employee.

Keep the green lights flashing at every portal!

## Playhouse Plans Dance Saturday In Oak Ridge

The Oak Ridge Playhouse announces its Annual Spring Dance to be held Saturday, April 14, at the Oak Ridge Country Club. Festivities are set to begin at 9 p.m. An intermission program is being planned by Sheldon Datz, and he promises a most entertaining evening.

Table reservations are now being taken by Mrs. E. G. Silver, Mrs. J. Fred Manneschildt, Mrs. W. H. Carr, and Mrs. William Rathkamp. Deadline for reservations is noon, April 14. Mrs. Silver, chairman of the Dance Committee, emphasizes that the dance

## Pitt-Collins Keep Narrow Skeet Topping

Don Pitt and Avis Collins, Y-12ers, in the All Carbide Skeet League maintained their lead in the league race last week in firings held Sunday, April 1.

Their scratch score of 23/25 and team score of 42/50 was high in this division, as were their handicap scores of 294.175/300 and 579.753/600. J. R. Patterson and J. P. Murray followed close behind in standings less than seven points away from the leaders.

League standings follow:

Team	Points
Pitt-Collins	3450.718
Patterson-Murray	3443.826
Bahler-Brewster	3435.564
Sahr-Steward	3414.410
Wiest-Tunnell	3403.831
Case-Hamby	3402.773
Davy-Asmanes	3399.034
McNabb-Montgomery	3330.880
*Swartout-Welfare	2849.556
*Hodges-Patton	2234.536
*Brundage-Bell	1716.360



Ride wanted or will join car pool from Yale Avenue, University of Tennessee area, Knoxville, to Central Portal, straight day. J. W. Garber, plant phone 7201, home phone Knoxville 524-1702.

Will join car pool from Paula Drive, Inskip area, to East Portal, straight day. J. B. Adkins, plant phone 7-8807, home phone Knoxville 687-5592.

Car pool member wanted from the general area bounded by Louisiana Avenue, Robertsville Road, Bermuda Road and Turnpike, to Biology Portal, straight day. R. F. Hyland, plant phone 7-8382, home phone Oak Ridge 483-6481.

### WINE NOT MOON

Among early Anglo-Saxons, newlyweds celebrated by sipping a form of wine made from honey, or honey-wine, hence the expression "Honeymoon."

is not restricted to Playhouse members, but is open to the public.



KEY PUNCHING THE VITAL INFORMATION onto cards is Virginia Swanner. Other key punch clerks operate the machines in the background. The source data is punched onto the cards. Computations and data processing take place later in the 1401, and other machines in the department.



OPERATING A COLLATOR is Parker Morgan. The principal function of the collator is to feed and compare two files of punched cards, to match them, or combine into one file simultaneously.

## Tabulation Services Use 'Think Machines'

Continued From Page 1

ty award cards recently selected by Y-12ers were sorted in order by a machine. Hand-sorting such data would take long, tedious hours. Machines can do it almost with a flick of a button.

The all important cards are punched by key punchers. They transcribe data from the source document to punched cards for later machine use. These punched cards are the life-blood of an IBM machine, such as the type used here in Y-12.

### Many Cards Used

More than 2,000,000 cards are used monthly in Y-12. In one stack, this pile of cards would be almost as tall as the Empire State Building. Laid end-on-end they would stretch from Oak Ridge to well below Atlanta, Ga.

It's permissible to talk to the machines, according to Building 9706-1A inhabitants, but watch it if the machines ever talk back! You're in trouble then.

In the jet-age, automatic computing is taking its high place in almost every kind of business. Our plant is no exception. Data gathering is easier, quicker, and the margin of error is fantastically reduced when the "brain" of a machine is entrusted with a job.

### Uses of Collator

Another machine of interest in Tabulation Service is the collator. The principle function of the collator is to feed and compare two files of punched cards, to match them, or combine into one file simultaneously. At the same time cards in each file that do not match those in the other can be separated from the rest of the file. An operator controls the machine's functions by control panel wiring.

Despite the many capabilities of the automatic systems, people are still required. No machine really "thinks;" it merely takes the information fed to it by human hands and processes it ac-

cording to a pre-arranged program.

### Examples Cited

Let us take a problem as an example. How many people working in Y-12 at the present time will retire in the year 1972? This information, without the aid of machines, would take hours of digging through personnel records. The mere feeding of the personnel cards through the 1401 could obtain these names in minutes. Or how many Y-12ers have done graduate work in college? How many visits were made to the dispensary last year by such-and-such a department. These are only a few of the personnel data lists that are frequently compiled by Tabulation Service.

Other questions involve production statistics, quality reports, and materials.

Tabulation Service is an old department in Y-12. Back in June, 1946, the late Thomas J. Watson, then president of IBM, visited in Y-12 to look over the installations of equipment in this department. Almost 10 years later his son Thomas J. Watson, Jr., visited in the department also.

Tabulation Service Department is in Y-12's Technical Division.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
18 Days Or  
589,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through April 8  
Phone 7755  
For Daily Report  
On Accident-Free Hours



AWARDS TO BE SELECTED by Y-12ers for the 29th safety period worked without a lost-time accident are shown above. The period is for the 69 days, or 2,388,635 man-hours worked from December 29, 1961, through March 7, 1962. In the top row are a minnow bucket, garden hose, framing square, stove mat, and charcoal bucket. In the second row are a beverage set, a refrigerator and oven set, rifle cleaning set, and divided covered dish. In the front row are a wall can opener, tin snips, pocket knife, Zippo lighter, axe and knife set, and a Pyrex percolator.